

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID04650
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	There are some difficulties faced by the farmers such as crops being damaged by insects, animals, birds, the unpredictable climatic changes and irrigating the crops. These issues make the yield low. The proposed project will give solutions to overcome these problems.
2.	Idea / Solution description	It collects data from various sensors like temperature sensor, Humidity sensor and send the outputs of these sensors to the application using IoT.
3.	Novelty / Uniqueness	The Application will have authentication details of the user and the authorized user only can control the irrigation system of the crop.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• It makes the Farmers more Profitable and Happy.• It assure for the good yield of crops.• Manages Time more efficiently.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">• The business model will provide the maximum yield and minimized human efforts• Effective way of implementing and the application can be easily accessed by farmers.
6.	Scalability of the Solution	The solution enables the farmers to reduce to waste and enhance the productivity with help of more sensors